Specify

PLASTER ON METAL LATH

for

LASTING QUALITY GENUINE ECONOMY

PRACTICALLY IMPERVIOUS TO THE FORCES OF DESTRUCTION • RESISTS FIRE, SOUND, SHOCK AND EXPLOSION

OFFERS FREEDOM OF DESIGN, SAVING OF SPACE AND EXCEPTIONAL STRENGTH

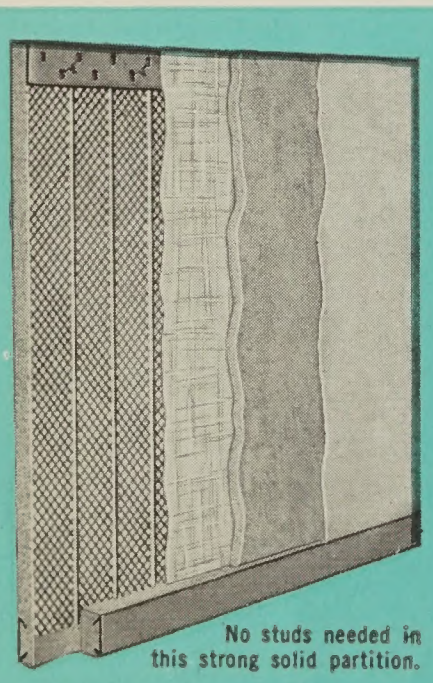
THE FOLLOWING PAGES DIRECT YOUR ATTENTION TO THE UNMATCHED ADVANTAGES OF METAL LATH CONSTRUCTION

METAL LATH MANUFACTURERS ASSOCIATION
ENGINEERS BUILDING • CLEVELAND 14, OHIO

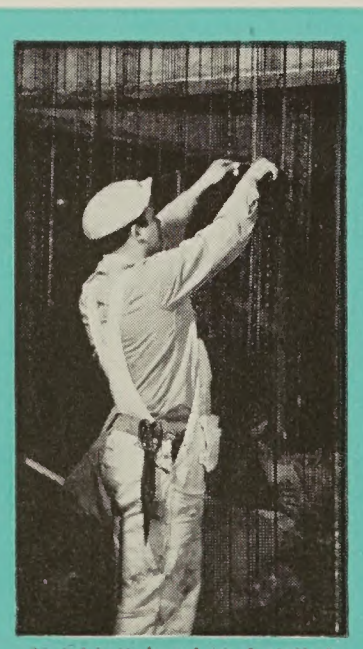
Partition end cap being applied to Alabama Studless Partition in the Herman E. Perry homes, Atlanta, Georgia. (198 buildings — 1,000 apartment units.)

Four "A" Quality

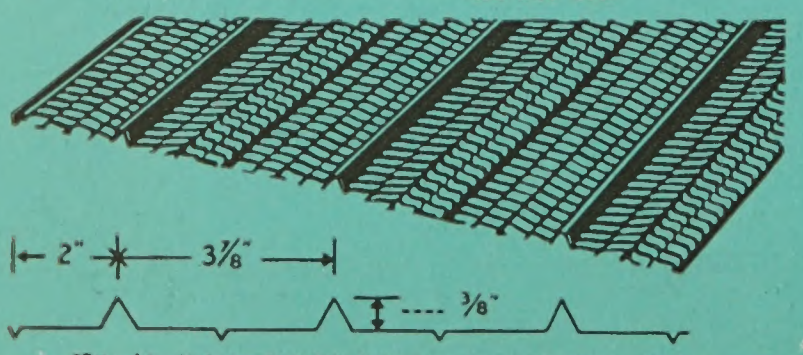
ALABAMA METAL LATH *and accessories*



No studs needed in this strong solid partition.



Metal Lath is quickly installed and wire tied.



27" wide Alabama ⅜" Rib Lath is extra rigid, saves plaster, permits smooth and even lapping of sheets . . . precision made.

Alabama studless partitions cut costs three ways

Full scale laboratory tests have proved the quality construction of metal lath and plaster 2" solid partitions. Experience has proved they offer these economic advantages:

1. Reduced material and lower erection costs because studs are eliminated.

2. The 2" thickness saves one square foot of usable floor area for every four running feet of partition, when compared with conventional-thickness partitions . . . provides more rental area, brings greater investment return.

3. The reinforced 2" studless partition is highly crack resistant, withstands temperature and structural stresses, keeps maintenance costs low. Decorating is easier and therefore less expensive.

In addition Alabama Studless Partitions effectively protect against fire for one hour, resist the transmission of sound and stand up exceptionally well against impact.

Write for complete information

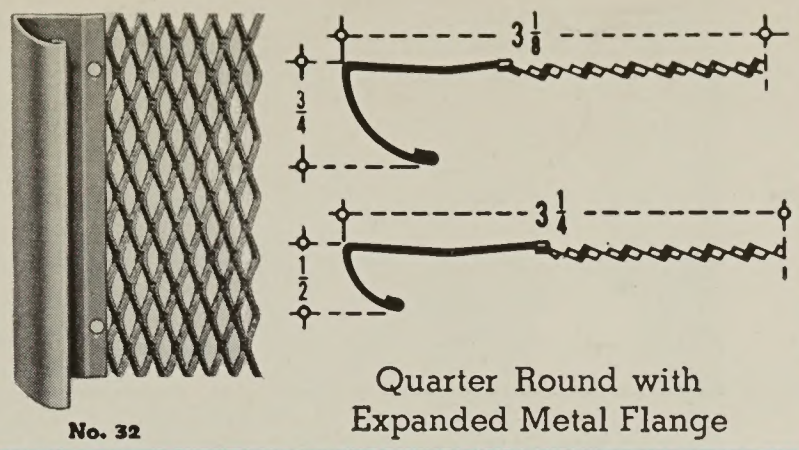
ALABAMA METAL LATH COMPANY

P. O. Box 992 • Birmingham, Alabama

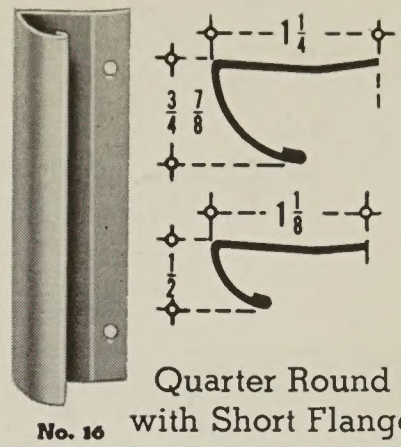
Specify Plaster on Metal Lath for

65 Bostwick ANNIVERSARY

QUARTER ROUND

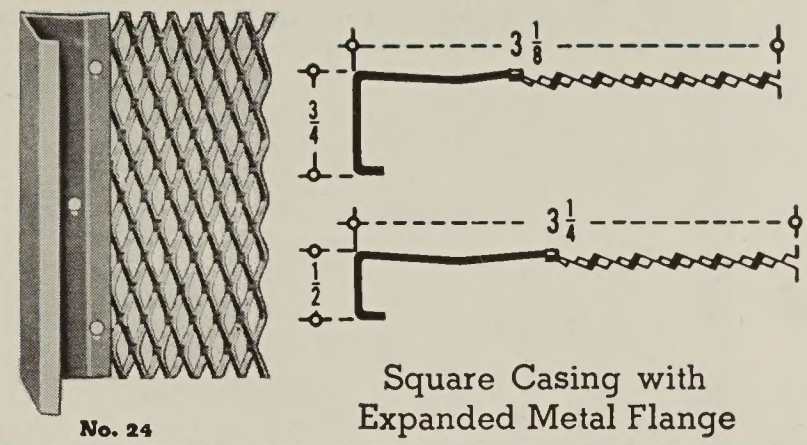


No. 32 — Quarter Round with Expanded Metal Flange

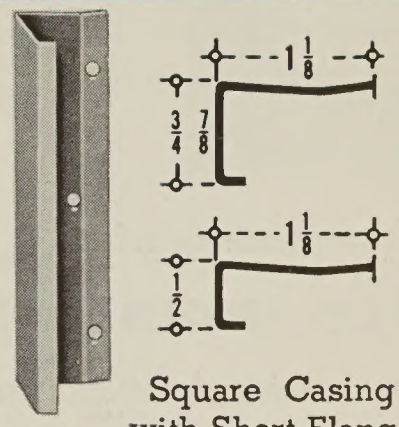


No. 16 — Quarter Round with Short Flange

SQUARE

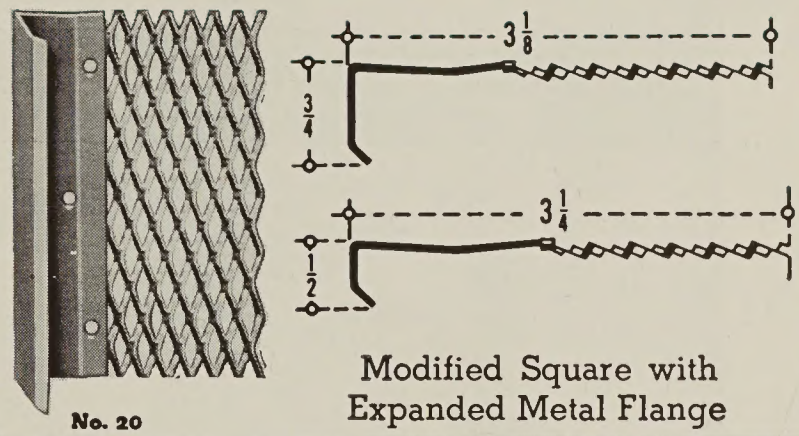


No. 24 — Square Casing with Expanded Metal Flange

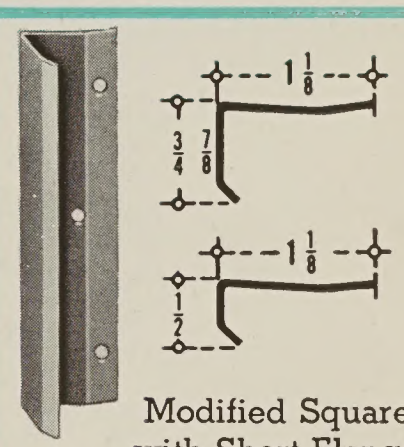


No. 12 — Square Casing with Short Flange

MODIFIED SQUARE



No. 20 — Modified Square with Expanded Metal Flange



No. 10 — Modified Square with Short Flange

Bostwick

door and window casings mean savings of more than 50%

You get better looking, longer lasting building interiors . . . at less than half the cost of other wall opening finishes . . . when you specify Bostwick Door and Window Casings. Only one installation operation is required because these casings provide both screeds and trim.

For Smart, Modern Interiors

The simple beauty of Bostwick Casings harmonize with all types of interior decoration. They assure a neat, good-looking installation on doors, windows and other openings . . . actually make rooms look larger.

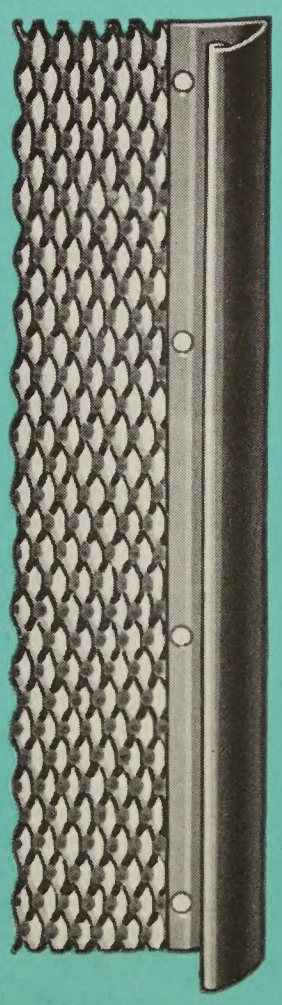
Straight and True

Bostwick Casings are uniform and straight, permit perfect corner miters. The formed, pre-punched nailing flange insures a tight fit against the frame of openings. They are easily decorated and cannot crack, splinter, chip, warp or burn.

Write for samples and literature.

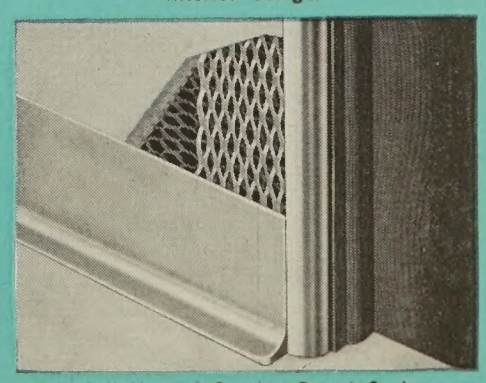
THE BOSTWICK STEEL LATH CO.
101 HEATON AVENUE, NILES, OHIO

Lasting Quality and Genuine Economy



Every Bostwick Casing is perfectly formed.

Bostwick Casings harmonize with any interior design.



Installation of Quarter Round Casing with Expanded Metal Flange.

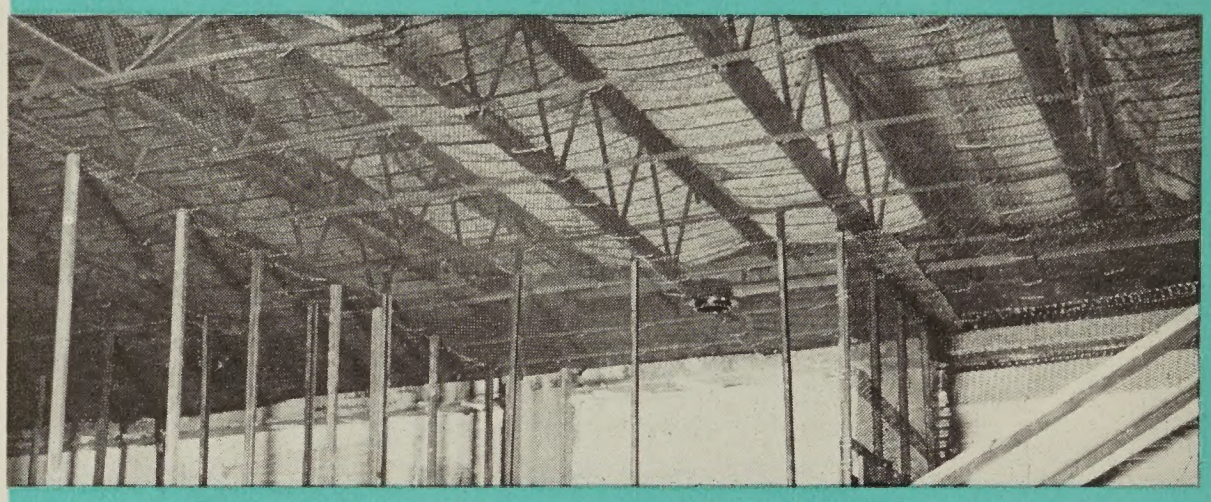
CECO STEEL

In construction products

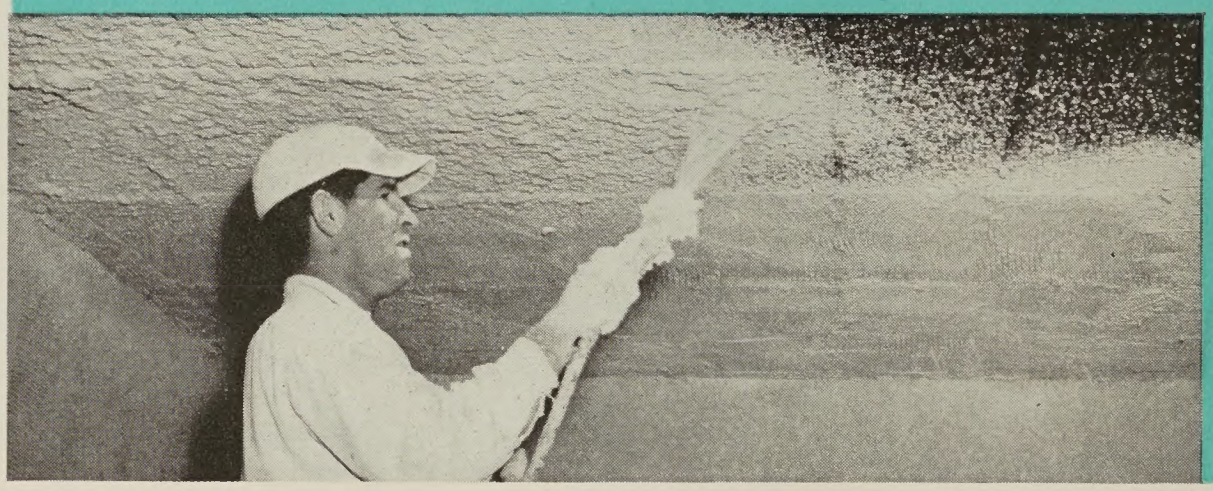
CECO ENGINEERING

makes the big difference

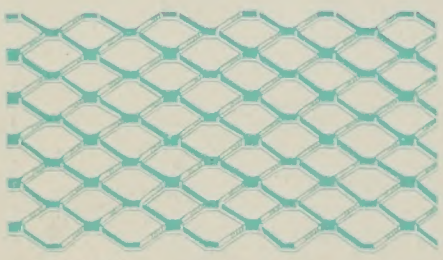
SUSPENDED CEILING UNDER CONCRETE JOISTS — In the foreground, Ceco Steel Furring Channels are shown beneath Ceco-Meyer Concrete Joist Construction, ready for application of metal lath for a fire-safe ceiling. In the background, Ceco Diamond Mesh Lath has been tied to channels, forming the plaster base for a fire-safe suspended ceiling and wall.



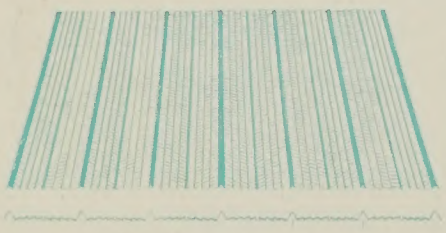
FURRED CEILING ON STEEL JOISTS—Here you see how Diamond Mesh Metal Lath is tied to furring members attached to Open-Web Steel Joists. Notice also that Rib Lath has been used for centering above the joists.



SUSPENDED CEILING WITH MACHINE-APPLIED PLASTER — Scratch coat as well as brown coat can be successfully applied to Ceco Metal Lath, as demonstrated by this plasterer at the San Mateo County Community Hospital, San Mateo, California (Architects: Stone and Mulloy; General Contractor: Robert E. McKee Company; Lathing Contractor: Jack Dymond Lathing Corporation; Plastering Contractor: E. E. Parker, Inc.).



CECO Diamond Mesh Metal Lath



CECO 3/8" Rib Lath

CECO 1/8" Flat Rib Lath

World's finest firesafe ceilings proved by test of time

Specify Plaster on Metal Lath for

Modern CECO Metal Lath and plaster provide high fire resistance...yet can be easily shaped to any design

For imperishability, the ceilings of a caveman's home set a standard that is hard to beat. Formed of solid stone, these monolithic structures are in as fine condition today as when inhabited thousands of years ago. But now that Man has come out of the ground and created his own ceilings, materials must be more adaptable. And filling this bill best, as proven through a half century of use, are metal lath and plaster — easily shaped to any design . . . and permanent. When plaster is bonded to a continuous web of Ceco Metal Lath, the result is a ceiling resistant to fire, cracks and earthquake . . .

- **a truly monolithic ceiling, with the characteristics of a single solid slab of stone . . .**
- **a ceiling easy to decorate, easy to keep clean, easy to live under . . .**
- **a ceiling ideal for the finest modern structure**

Flames naturally rush upward in a burning building. The most effective . . . least expensive . . . way to fireproof is to place a fire-safe membrane between the floor structure and the fire below. This is best done by providing a *suspended, furred* or *contact* ceiling made of plaster on Ceco Metal Lath.

Write Ceco for fire ratings of various types of material and construction. Specifications for lathing and furring also are available on request.

Specify Ceco Lathing Products for your next fireproofing requirement. Ceco manufactures a full line of quality Metal Lath and Accessories, warehoused coast to coast. See your Ceco dealer for fast service — or write us.

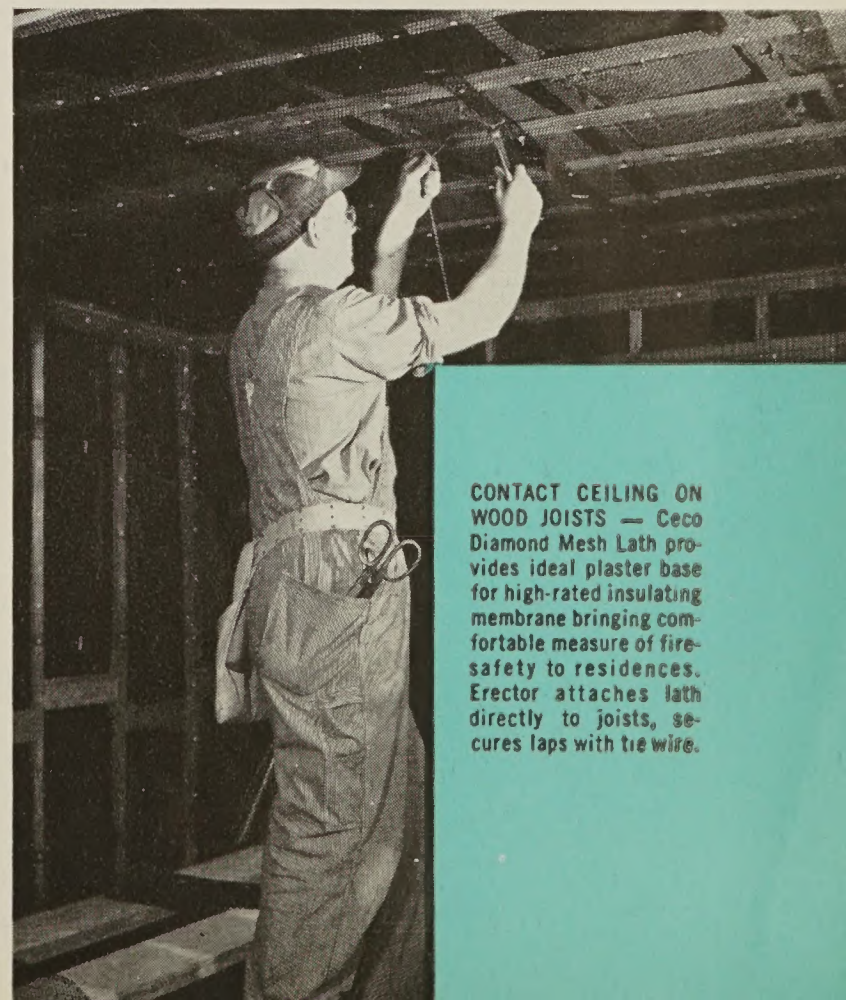
CECO STEEL PRODUCTS CORPORATION

Offices, warehouses and fabricating plants in principal cities

General Offices: 5601 W. 26th St., Chicago 50, Ill.

Lasting Quality and Genuine Economy

SUSPENDED CEILING — Diamond Mesh Lath is tied to channels with tie wire to form a non-combustible plaster base for a suspended ceiling. With plaster applied, this creates an insulating membrane between the floor structure and any possible fire below . . . eliminates need for encasing each individual structural member . . . provides fireproofing to satisfy codes.



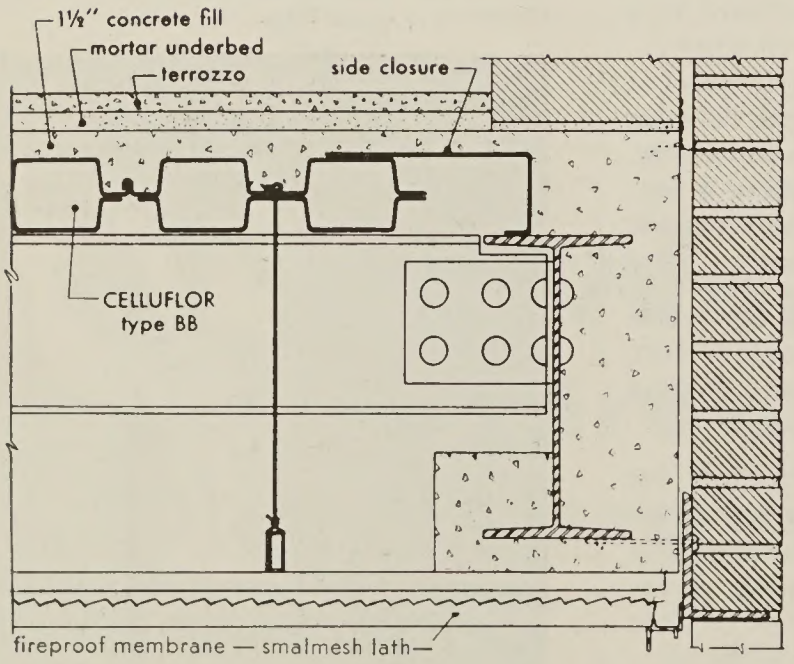
CONTACT CEILING ON WOOD JOISTS — Ceco Diamond Mesh Lath provides ideal plaster base for high-rated insulating membrane bringing comfortable measure of fire-safety to residences. Erector attaches lath directly to joists, secures laps with tie wire.

MILCOR®

METAL LATH PRODUCTS

Machine applied, lightweight-aggregate plaster may now be used in almost any type of building, bringing costs of the finest interior surfacing well within those of lesser materials.

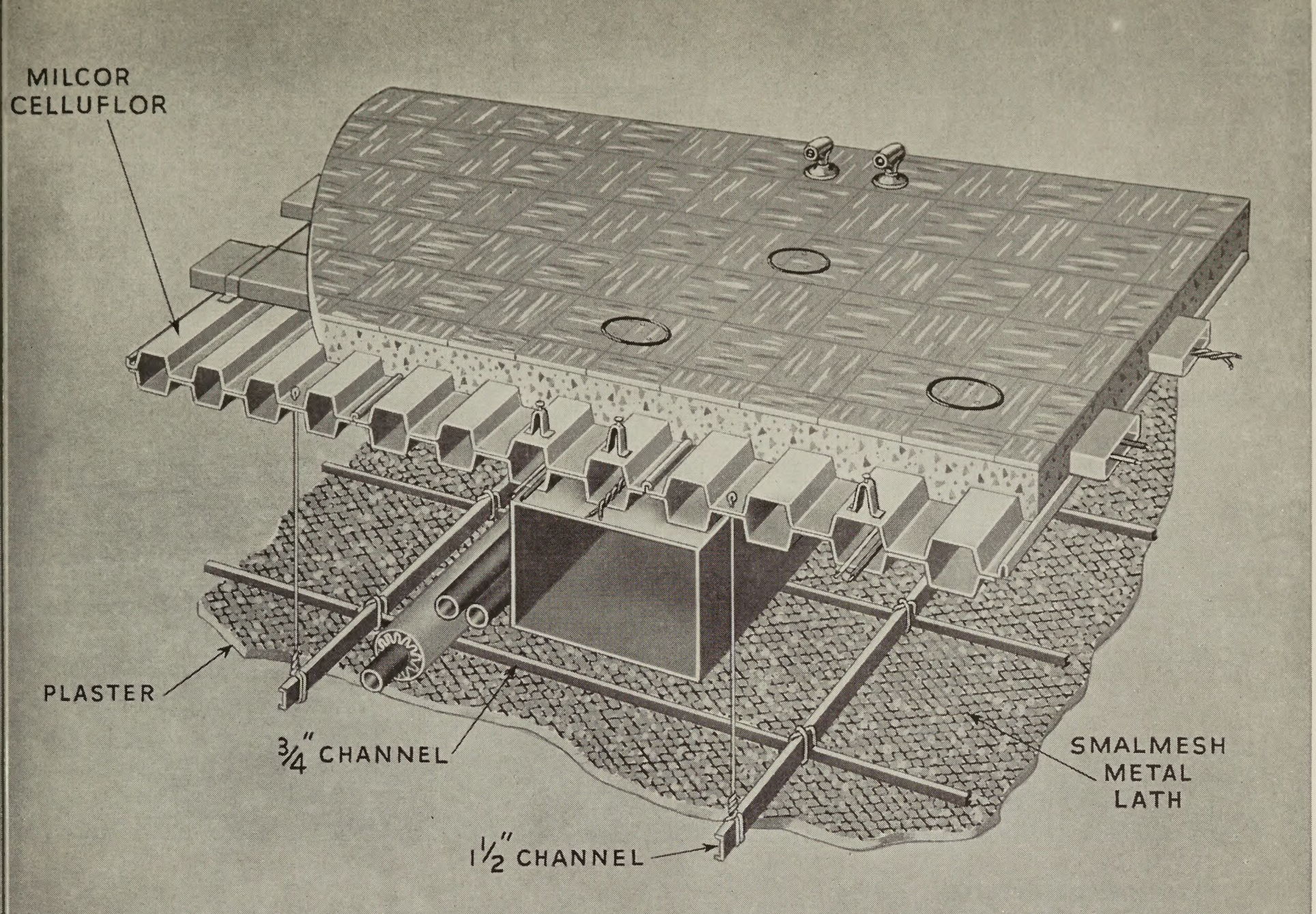
Membrane fireproofing of beams and girders is machine applied. Modern plastering machines move lightweight-aggregate plaster up to a distance of 75 feet for fast, uniform application.



Detail shows membrane fireproofing with Milcor lath suspended from Milcor CELLUFLOR.

New Methods Cut Costs in Fireproofing Cellular Steel Floors

Specify Plaster on Metal Lath for



Milcor CELLUFLOR is effectively fireproofed with a suspended plaster ceiling using Milcor Channels, Metal Lath and Accessories. This combination produces the perfect, lightweight, membrane fireproofing with high fire-resistance ratings. Write for results of fire tests. Milcor CELLUFLOR, protected by TI-CO* galvanizing, provides in-floor raceways, spaced six inches on centers for complete electrical flexibility and other service requirements.

*Reg. U. S. Pat. Off.

Machine-application of plaster to metal lath marks dramatic progress in membrane fireproofing

In recent years the use of cellular steel floors has established a new concept of electrical flexibility, as well as erection and maintenance economies in modern buildings.

Now the increasing use and acceptance of the plastering machine is proving to be another revolutionary development in the industry. The application by machine of scratch, brown and finish coats of plaster to metal lath is thoroughly practical. Savings in time and cost are substantial.

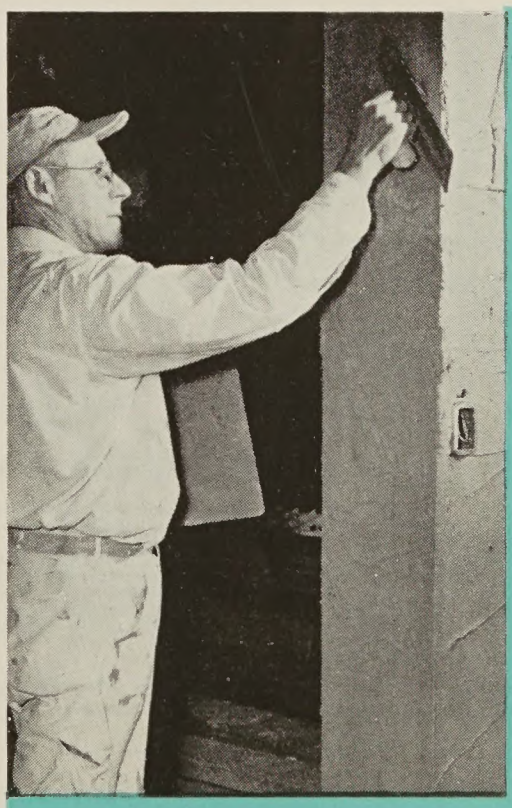
Membrane fireproofing of cellular steel floors by machine application of plaster over metal lath affords the advantages of practical fire protection in combination with important cost-reducing factors. Together these developments make one of the building industry's most interesting stories.

Write for Catalogs on Milcor Metal Lath Products and Milcor Celluflor, also for Bulletins on Membrane Fireproofing and Machine Application of Plaster.

<INLAND> STEEL PRODUCTS COMPANY

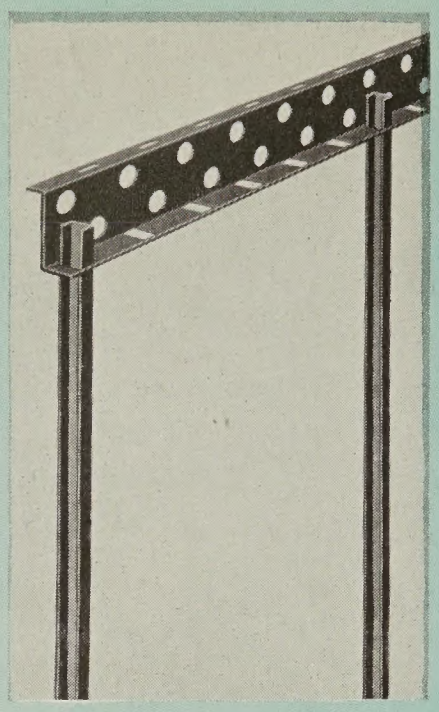
4069 WEST BURNHAM STREET • MILWAUKEE 1, WISCONSIN

Lasting Quality and Genuine Economy

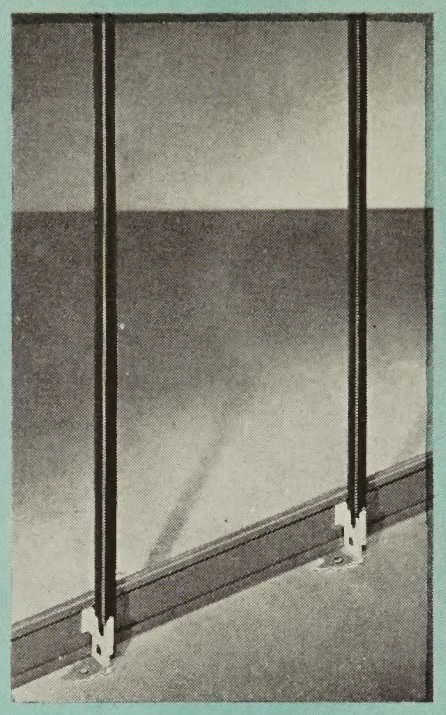


Metal lath membrane fireproofing of steel columns is unequalled for simplicity and economy.

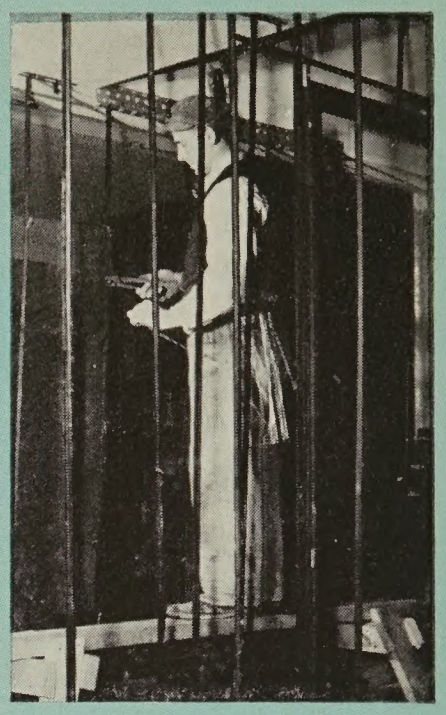
Build better with Gold Bond® Building Products



Gold Bond "Z" Ceiling Runners are easily attached with concrete stub nails or rawl drives. Steel channel studs fit into runners and the vertical web compensates for variation in ceiling height automatically.

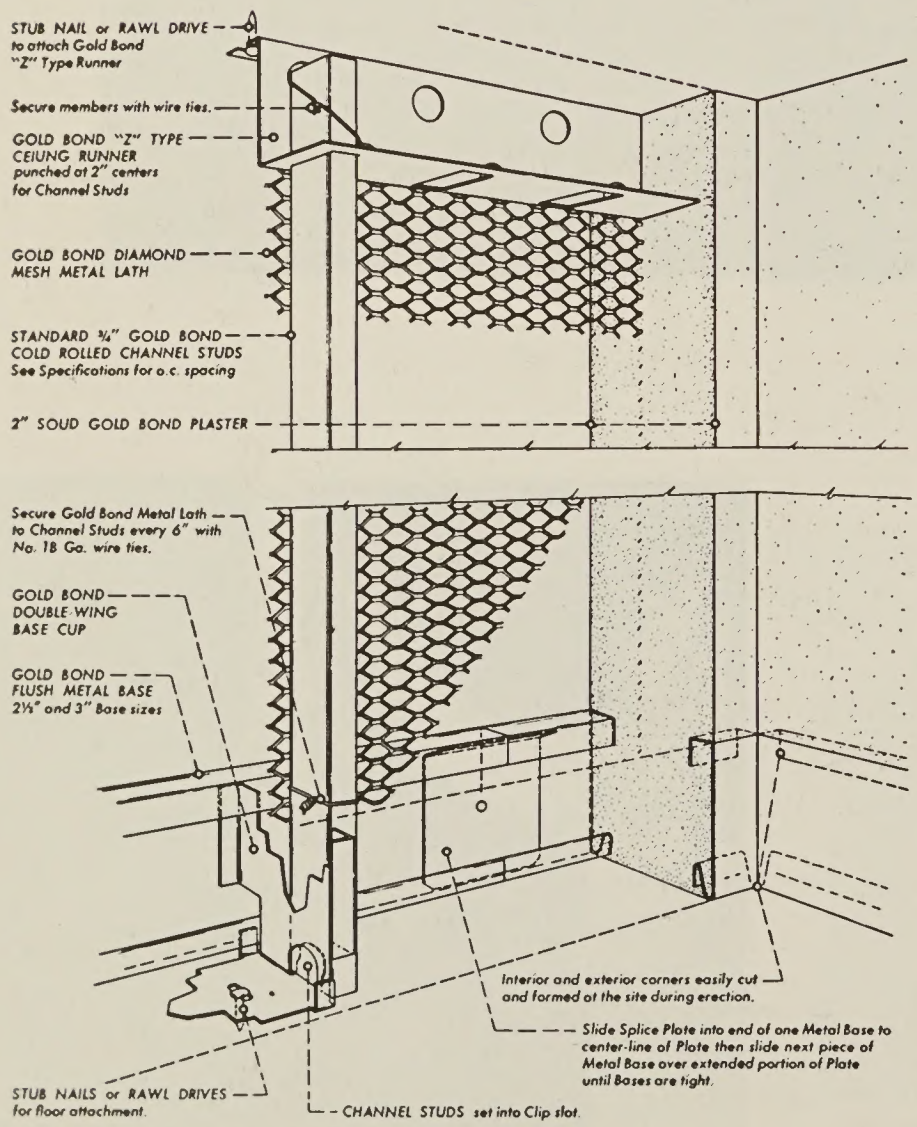


Gold Bond Metal Base Clips are nailed to floor every 12 or 16 inches. Sections of Gold Bond Metal Base are quickly snapped on both sides of base clips, and the framework is ready for lathing.



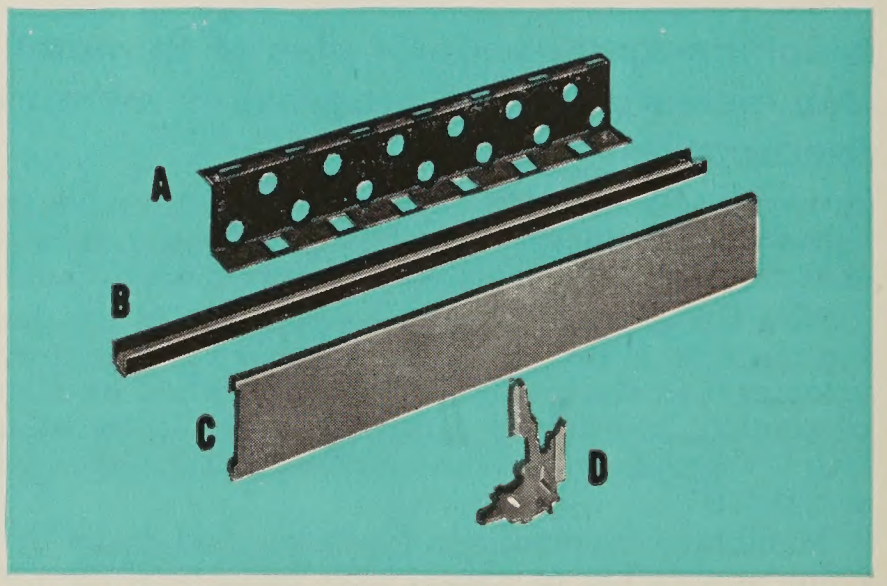
Big, easy-to-handle 27″ wide sheets of Gold Bond Diamond Mesh Lath are fastened to studs with tie-wire. Maximum sound insulation and floor-line partition strength are assured by filling base with a plaster grout.

TECHNICAL DETAILS


STUB NAIL or RAWL DRIVE to attach Gold Bond "Z" Type Runner
Secure members with wire ties.
GOLD BOND "Z" TYPE CEIUNG RUNNER punched at 2" centers for Channel Studs
GOLD BOND DIAMOND MESH METAL LATH
STANDARD ¾" GOLD BOND COLD ROLLED CHANNEL STUDS See Specifications for o.c. spacing
2" SOUD GOLD BOND PLASTER
Secure Gold Bond Metal Lath to Channel Studs every 6" with No. 18 Ga. wire ties.
GOLD BOND DOUBLE-WING BASE CUP
GOLD BOND FLUSH METAL BASE 2½" and 3" Base sizes
Interior and exterior corners easily cut and formed at the site during erection.
Slide Splice Plate into end of one Metal Base to center-line of Plate then slide next piece of Metal Base over extended portion of Plate until Bases are tight.
STUB NAILS or RAWL DRIVES for floor attachment.
CHANNEL STUDS set into Clip slot.

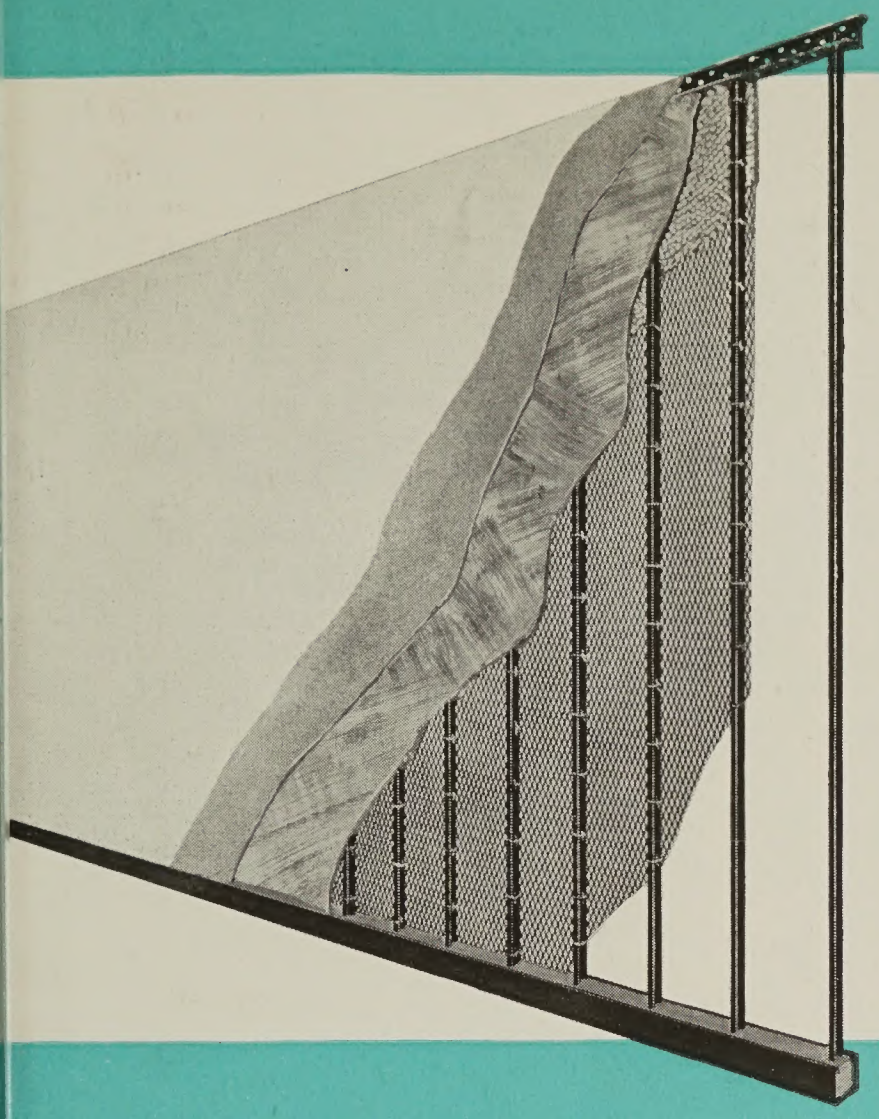
Perspective of 2" Solid Plaster Partition
Showing Assembly With Gold Bond Flush Type Metal Base

Save money from 2″ solid metal



Four separate parts, easily combined, form the basic framework for the 2-inch solid partition assembly: A) Gold Bond "Z" Ceiling Runner; B) Gold Bond Channel Studs; C) Gold Bond Metal Base; D) Gold Bond Metal Base Clip.

Specify Plaster on Metal Lath for

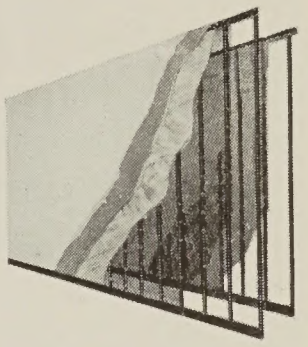


Gold Bond 2″ Solid Metal Lath and Plaster Partition System

Gold Bond 2-inch Solid Metal Lath and Plaster Partition System with channel studs occupies a minimum amount of floor and building space. The four metal units making up this economical system form a durable, space-saving, non-bearing partition for use in interior wall construction.

Gold Bond Hollow Wall System

Gold Bond Hollow Wall System is the companion to the Gold Bond 2″ Solid Partition. It uses the same basic component parts as the 2-inch System but is a double wall rather than a single wall with no connections between partition faces. It is excellent for party walls where reduction of noise transmission is required. Installation and concealment of utilities is greatly simplified. The Hollow Wall System has a one-hour fire rating and a 48.1 decibel sound-insulating rating.



"start to finish" with Gold Bond®

lath, plaster, and channel partitions

IN CONSTRUCTION — No other durable construction *with comparable fire and sound resistance* can be built as inexpensively as a solid partition.

IN SPACE — Architects of buildings costing $12 per sq. ft. save $3 on floor space for every lineal foot of 2-inch solid partition compared to wood studs or masonry partitions.

IN WEIGHT—Metal Lath solid partitions with sanded plaster weigh less than 18 pounds per square ft. This low weight can save over 100 pounds per lineal foot of 10-ft. high partition compared with cinder blocks.

IN MAINTENANCE — Metal Lath reinforces the partition to make it highly shockproof. Impacts are absorbed with minimum chances of cracking plaster. Smooth plaster surfaces are easy to clean and redecorate whenever necessary.

IN ADDITION — the Gold Bond 2″ Solid Metal Lath, Plaster and Channel Stud Partitions form an effective sound barrier with a sound transmission loss rating of 39.4 decibels. The combination of steel and gypsum plaster has a one-hour fire rating.

Build better with Gold Bond® Building Products

For complete information on Gold Bond Metal Lath and Plaster, write to:

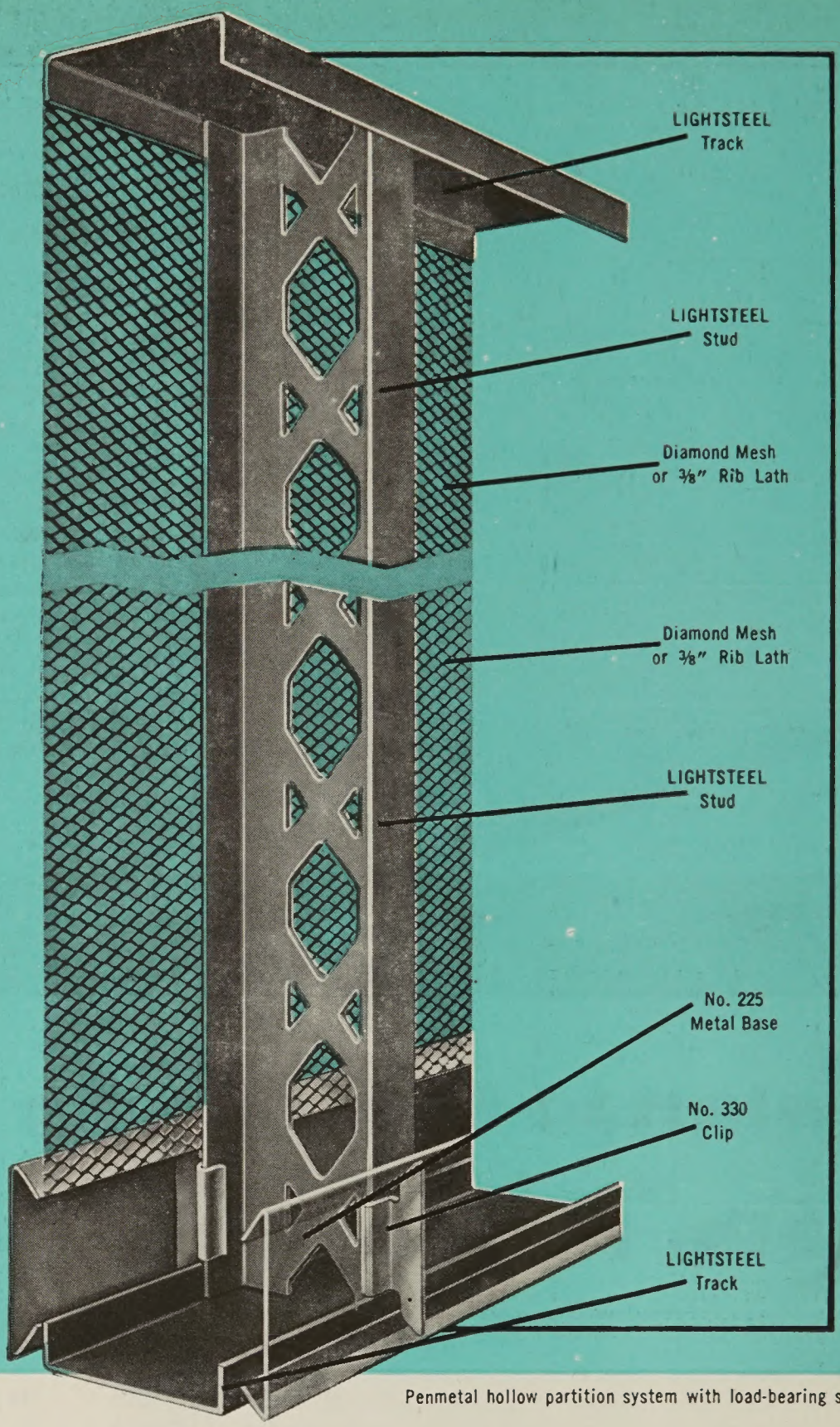
NATIONAL GYPSUM COMPANY

BUFFALO 2, NEW YORK

Lasting Quality and Genuine Economy

METAL MARK
Penmetal
1869
OF QUALITY

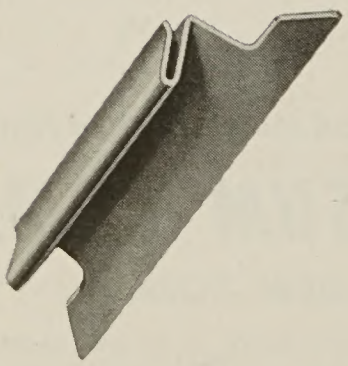
Penn Metal Company manufactures a complete line of metal lath and accessories in addition to LIGHTSTEEL sections



Penmetal hollow partition system with load-bearing studs.

Here is a low-cost, easy-to-erect partition with load-bearing studs

This "packaged" load-bearing partition consists of Penmetal LIGHTSTEEL structural studs, fastened at top and bottom to LIGHTSTEEL track and braced with LIGHTSTEEL bridging. With metal lath wire-tied to both sides of the studs, and then plastered, it provides a light-weight, fire-safe construction that cuts the transmission of sound by as much as 46 decibels.



No. 330 clip furnished for 2½", 3" or 4" base to provide ½", ⅝", ¾" or ⅞" plaster grounds. Penmetal base is flush with the plaster surface and provides plaster ground and finish trim in one unit.

Specify Plaster on Metal Lath for

Wall panels are easy to handle and erect. Photo also shows the use of LIGHTSTEEL joists.

The sections are fabricated from structural grade steel by cold forming and are designed specifically for strength, light weight and low cost. They offer all the benefits of conventional steel sections, yet you do not pay for extra load-carrying capacity you do not need.

You save on erection, too. Sections are designed to fit together for ease of assembly and welding in the shop or at the job site. Because of their light weight, complete wall panels can be readily trucked to the job site and erected in short time. Still further economies can be effected by using openings in the studs for the installation of wiring and piping.

An additional feature of this partition is the exclusive Penmetal No. 330 clip which firmly attaches metal base to the studs. Flush with the plaster surface, the base is in keeping with modern trends toward simple lines and straight surfaces.

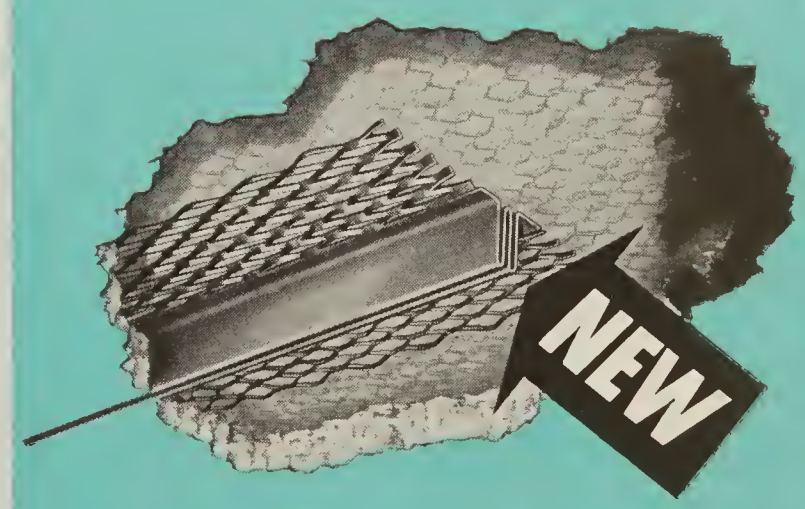
Write for answers to any questions you may have about this "packaged" partition.

PENN METAL COMPANY, INC.

General Sales Office: 205 East 42nd Street, New York 17, N. Y. • *Plant:* Parkersburg, W. Va.

District Sales Offices: Boston, New York, Philadelphia, Chicago, Detroit, Dallas, Seattle, San Francisco, Los Angeles

Lasting Quality and Genuine Economy



Penmetal Expansion Joint*

FOR ACOUSTICAL PLASTER CEILINGS AND EXTERIOR STUCCO

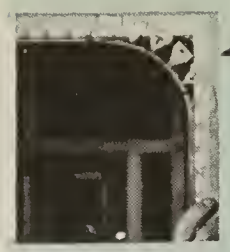
This unique expansion joint takes up the stresses due to expansion and contraction of plaster or stucco. Also provides a work stop, essential in acoustical plastering. Saves time and labor, too, being a one piece joint and ground.

Write for address of nearest dealer.

*Patent Applied For

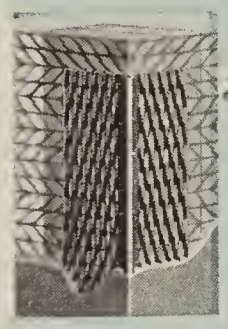
TRUSCON
MARK OF MERIT PRODUCTS

A NAME YOU CAN BUILD ON

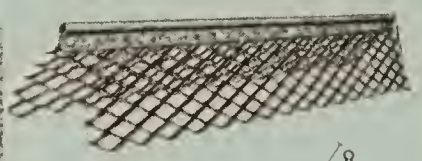


No. 8 Arch Corner Bead

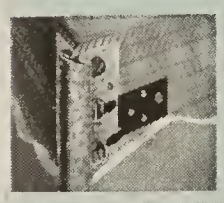
The most widely used and generally satisfactory type of corner bead. It forms a perfect arch and will not kink or break at the nose.



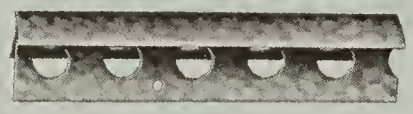
No. 7 Expanded Corner Bead



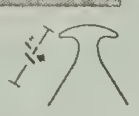
Diamond mesh reinforcement in the flanges. Heavy shoulder to assure straightness and rigidity. Round nose is strongly reinforced by a deep groove which holds plaster flush.



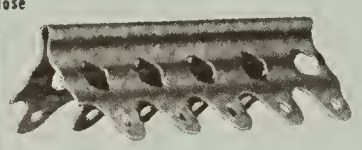
No. 604 — 3/4" Radius Bull Nose Corner Bead



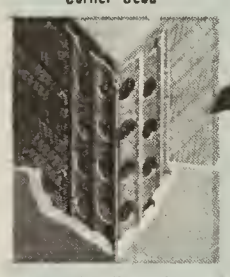
Especially recommended for buildings where traffic is unusually heavy. Often applied with Corner Bead Clips.



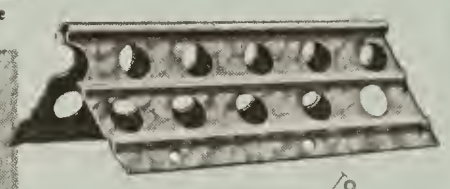
No. 15½ Scalloped Edge Corner Bead



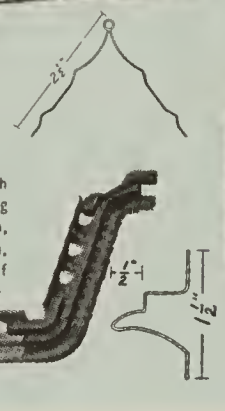
Scalloped edges provide extra keys, and the width of the flanges enables quick, easy installation.

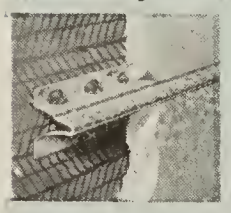


No. 12 Wide Flange Corner Bead



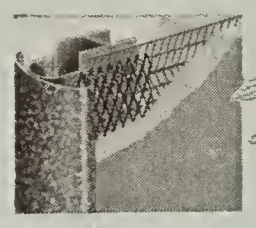
Noted for extreme rigidity. Two rows of keyholes in the flanges provide a secure plaster bond.



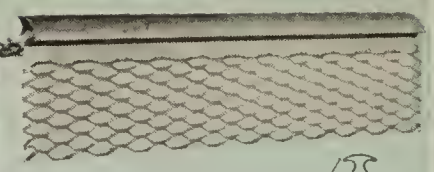


No. 49 Curved Point Base Screed

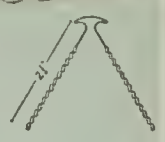
Designed to form a smooth curved top for protecting plaster bases of terrazzo, cement or composition, and to protect the top of the base against damage

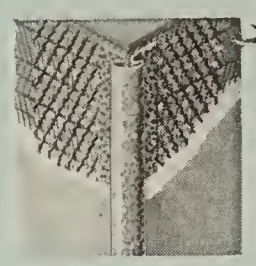


No. 10 — 3/4" Radius Expanded Bull Nose Corner Bead



Easily fastened to the most uneven and irregular surfaces. It reinforces exterior corners where rounded edges are required.

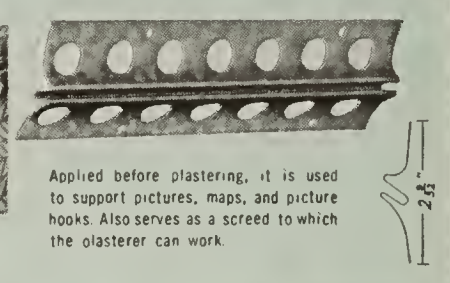




No. 607 — 1½" Radius Bull Nose Corner Bead

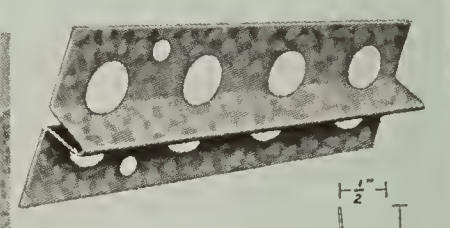
A specialty bead used when extra broad, rounded corners are required. Flange is punched to provide firm plaster grip

No. 23 Picture Mold

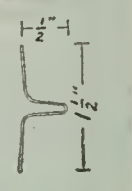


Applied before plastering, it is used to support pictures, maps, and picture hooks. Also serves as a screed to which the plasterer can work.

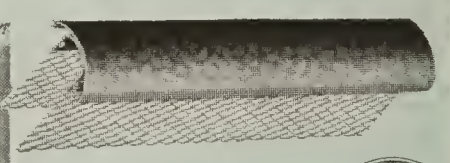
No. 1 Flush Base Screed



The most popular type of base ground. Used principally for separating two plaster materials of different character.



No. 700 Partition Cap

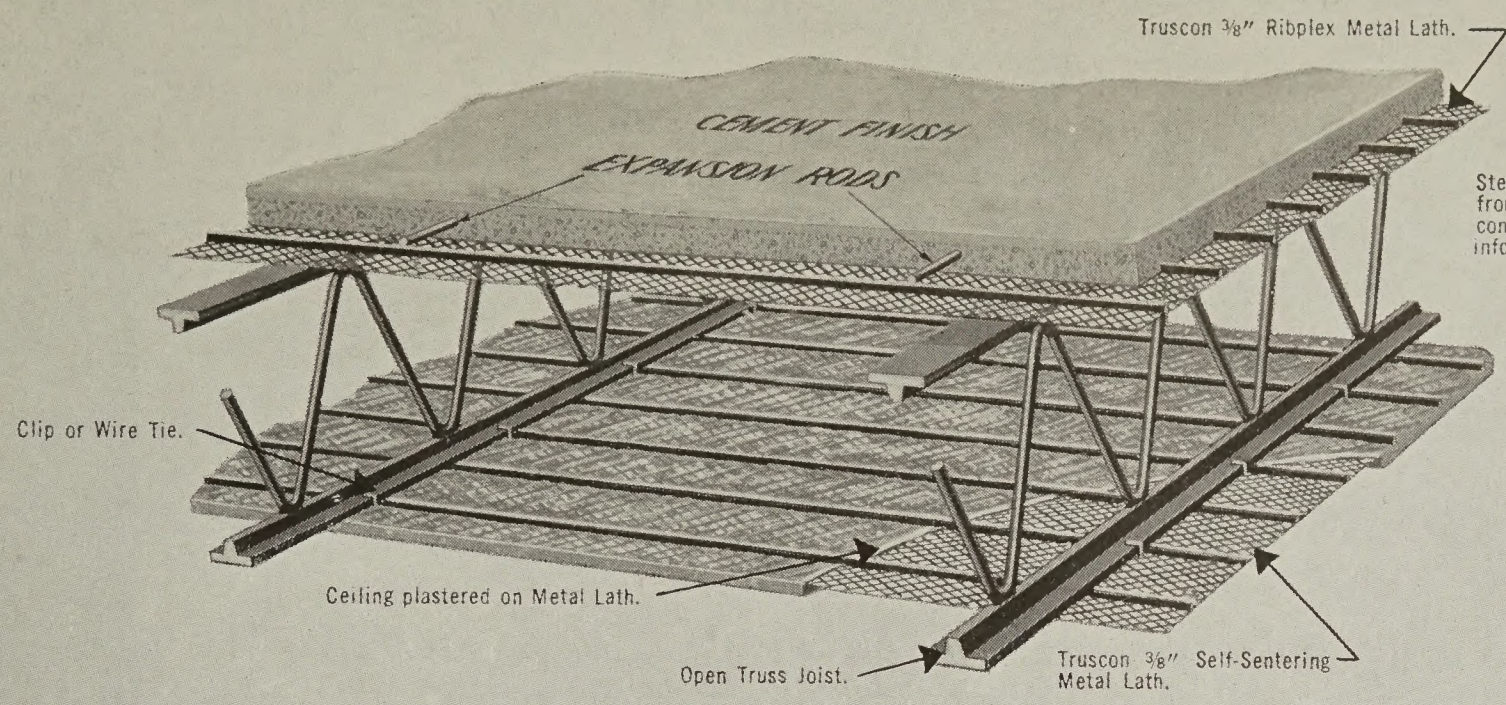


Used as a partition cap or casing for free standing 2" solid partitions, or as a stair rail cap. Expanded metal wings are spot welded to cap.

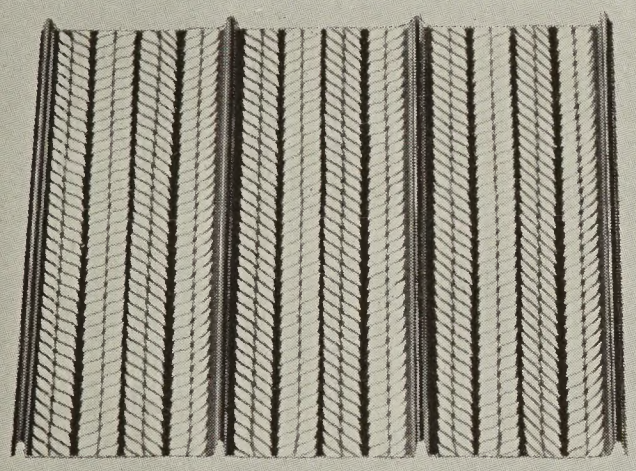
The Metal Lath Accessories illustrated above are among the more than 40 different items for better plastering in Truscon's complete line. They are easy to erect, easy to form, easy to work over, and assure the finest quality of finished work because of their precision manufacture.

Truscon metal lath accessories assure finest plastered interiors

Specify Plaster on Metal Lath for

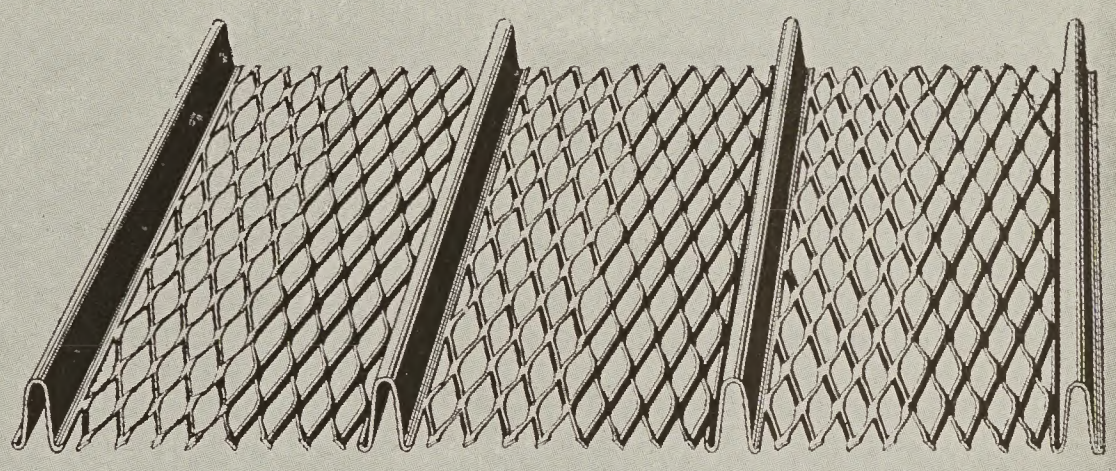

Truscon 3/8" Ribplex Metal Lath.
CEMENT FINISH
EXPANSION RODS
Steel Joists protected from fire by reinforced concrete above and reinforced plaster below.
Clip or Wire Tie.
Ceiling plastered on Metal Lath.
Open Truss Joist.
Truscon 3/8" Self-Sentering Metal Lath.

Metal Lath and plaster ceiling on the underside of steel joists



Truscon 3/8" Ribplex

The extreme rigidity of this lath is due to the 3/8" ribs spaced on 4" centers. It is a perfect lath as a combination form, centering and reinforcement for concrete slabs in steel joist construction. The lath is securely attached to top of joists with top lath clips or by wiring.



Truscon 3/4" Self-Sentering

This lath is most effective as a centering and reinforcement for concrete roofs and floors, and for use on much greater spans than are permissible with 3/8" Ribplex. 3/4" ribs are spaced 3 5/8" on center and connected by a diamond mesh — cut and drawn from one sheet of steel.

Truscon Rib Laths offer maximum centering advantages

Metal Lath Centering with Truscon Rib Laths offer an economical method which provides both reinforcing for the concrete and a rigid form which does not need to be stretched taut. The Rib Lath is quickly placed and tied or clipped to the supporting steel joists. After concrete has hardened, the slab and steel joists are bonded together in a rigid floor system.

Truscon 3/8" Ribplex, used as a centering for the top slab, will not exert a lateral pull on the top chords or flanges of the steel joists. Consequently, there is no need for costly temporary bracing. 3/8" Ribplex centering eliminates any danger of twisted or weakened joists.

Truscon 3/4" Self-Sentering Lath comes in sheets 29" wide, widest of any material made for a similar purpose. The decreased number of laps results in substantial savings in erection labor.

For complete information on Truscon Metal Lath Centering, write to

TRUSCON STEEL DIVISION
REPUBLIC STEEL
1070 ALBERT STREET **YOUNGSTOWN 1, OHIO**
Export Department: Chrysler Building, New York 17, N. Y.

Lasting Quality and Genuine Economy

Loading Table for 3/8" Ribplex

Thickness of Slab Above Mesh	Weight of Concrete (Lbs. per Sq. Ft.)	Weight of Lath Lbs. per Sq. Yd.)	Safe Superimposed Loads (Lbs. per Sq. Ft.) Span in Inches			
			12	16	19	24
2"	24	3.4	950	536	380	238
2"	24	4.0	1090	613	433	271
2 1/2"	30	3.4	1200	675	429	300
2 1/2"	30	4.0	1360	766	544	340
3"	36	3.4	1450	815	578	362
3"	36	4.0	1650	930	625	412

Loading Tables for 3/4" Self-Sentering

Thickness of Slab Above Mesh	Weight of Slab Per Sq. Ft. (Lbs.)	Weight of Lath Per Sq. Ft. (Lbs.)	Maximum Span for Centering Wet Concrete	Safe Superimposed Loads (Lbs. Per Sq. Ft.) Span in Feet			
				3'	4'	5'	6'
2"	24	.60	3'-3"	325	170	98	59
2"	24	.75	3'-7"	438	233	138	87
2 1/2"	30	.60	2'-11"	422	222	129	78
2 1/2"	30	.75	3'-3"	.....	302	180	114
3"	36	.60	2'-8"	518	273	160	98
3"	36	.75	2'-11"	.....	373	224	142
3 1/2"	42	.60	2'-5"	.....	325	190	117
3 1/2"	42	.75	2'-9"	.....	442	267	170
4"	48	.60	2'-3"	.....	378	222	138
4"	48	.75	2'-6"	.....	514	310	198

to lower costs . . . to simplify installation of services . . . specify this

fireproof, fast-erecting hollow partition system

using TRUSSTEEL* studs and U. S. G. metal lath

FIREPROOF—one to 2½ hour rating, depending on type of metal lath and plaster used.

GOES UP FAST—TRUSSTEEL Studs require little, if any, cutting or fitting on the job. Attachment shoe allows quick adjustment (up to 4 in.) for varying ceiling heights. Metal lath is easily attached with wire ties.

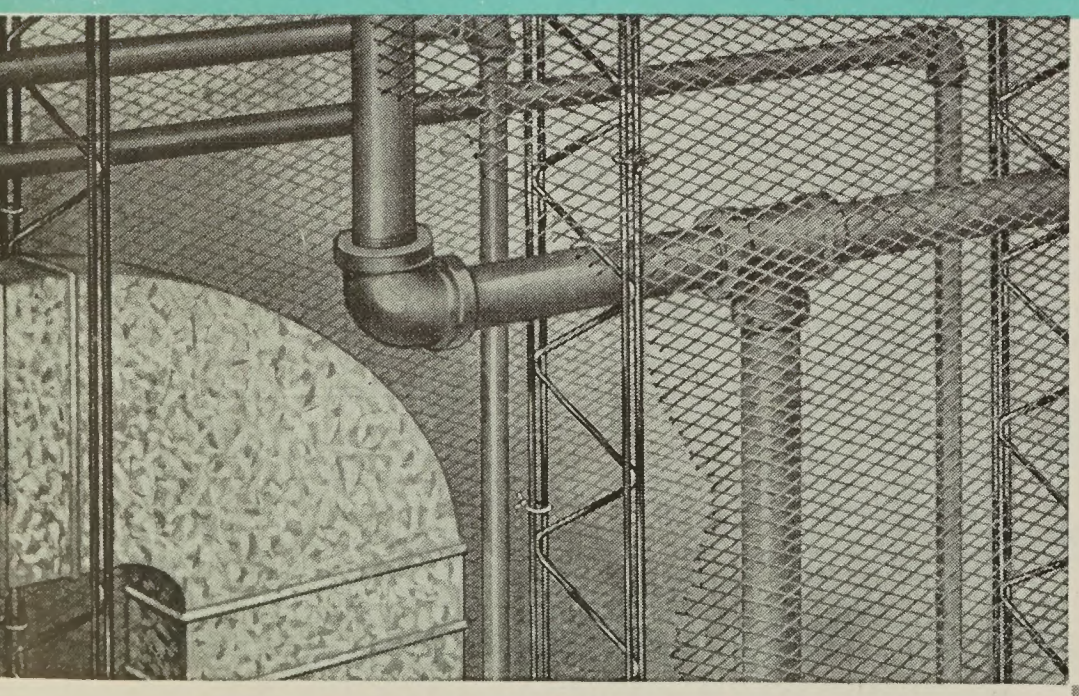
ECONOMICAL—TRUSSTEEL Studs cost no more than wood yet permit easier concealment of conduits, ducts, plumbing and other services; ample strength without bulk for savings on structural steel.

LIGHTWEIGHT—finished partition weighs as little as 11½ lbs. per sq. ft. permitting installation most anywhere without additional structural framing.

RESISTS SOUND TRANSMISSION—sound ratings from 40.5 db. to 54.7 db. depending on lath attachment.

STRONG—equal in strength, *after plastering*, to any comparable non-bearing steel stud partition.

VERSATILE—TRUSSTEEL Studs are available in various widths for finished wall thickness of 4 to 8 in. *T. M. Reg. U. S. Pat. Off.



FOR MORE INFORMATION AND DETAILS:

See Sweet's, section 11; contact your U. S. G. Architects' Service Representative or Sales Representative; or write Dept. PA-5, 300 W. Adams St., Chicago 6.

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The Greatest Name in Building

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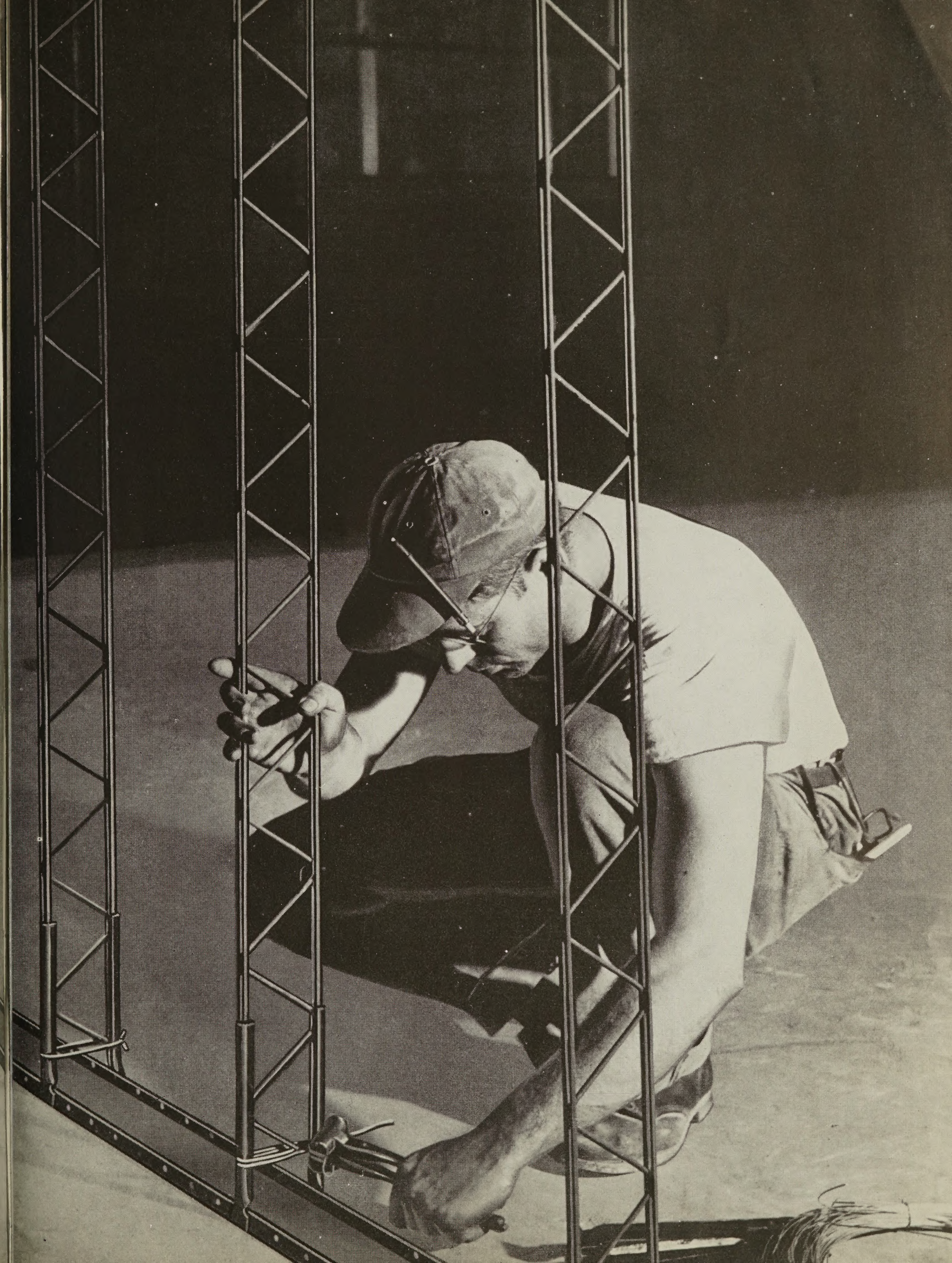

Fire Safety—
Number One Concern
of
Every Architect

In spite of organized effort against it, the nation's annual fire toll continues its appalling increase. Ten years ago losses averaged a million dollars a day. Last year they averaged more than two and a half million dollars a day.

The architects and builders of America hold the key to eventually winning the fight with this ruthless destroyer of life and property.

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The built-in fire protection of metal lath and plaster has been demonstrated again and again during the past half-century. Repeated tests have established authoritative fire resistance ratings for plaster on metal lath. Countless fire tragedies have been prevented in existing buildings because architects have specified plaster on metal lath.

Send for Metal Lath Technical Binder

Complete technical data on fireproofing, partitions, ceilings and other types of metal lath and plaster construction is available from the Metal Lath Manufacturers Association. Products or systems of each of the member companies, whose advertisements are on preceding pages, are not confined to those listed in their individual advertisements. See Sweet's Files, Architectural, for general specification data and for manufacturers' catalogs.

METAL LATH MANUFACTURERS ASSOCIATION

Engineers Building ★ Cleveland 14, Ohio